INTERNATIONAL SEARCH REPORT

T/JP2004/005727

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER H05B6/66 H05B6/68								
	According to International Patent Classification (IPC) or to both national classification and IPC								
	SEARCHED ocumentation searched (classification system followed by classification	inn nomhala)							
IPC 7	H05B								
	tion searched other than minimum documentation to the extent that e								
1	ata base consulted during the international search (name of data ba	ase and, where practical, search terms used)						
EPO-In	ternal, PAJ								
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the rel	levant passages	Relevant to claim No.						
Х	PATENT ABSTRACTS OF JAPAN vol. 0163, πο. 02 (M-1275), 3 July 1992 (1992-07-03)	•	6						
	& JP 4 084026 A (TOSHIBA CORP).	•							
	17 March 1992 (1992-03-17)	•							
A	abstract.		1-5,7-10						
Х	EP 0 301 805 A (MATSUSHITA ELECTI	RIC IND CO	1,2,4,10						
Υ	LTD) 1 February 1989 (1989-02-01) abstract) . · ·	7						
	column 7, line 1 - line 4		,						
	column 8, line 2; figure 4 column 12, line 45 - line 50; cla	aim 3							
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]		-/							
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X Furti	her documents are listed in the continuation of box C.	χ Patent family members are listed i	n annav						
		Palent family members are listed in	n annex.						
	tegories of cited documents:	"T" later document published after the inte or priority date and not in conflict with	rnational filing date						
consid	ent defining the general state of the art which is not lered to be of particular relevance	cited to understand the principle or the invention	eory underlying the						
tiling d		"X" document of particular relevance; the o							
wn:cn	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another	cannot be considered novel or cannot involve an inventive step when the do	cument is taken alone						
citation	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	 "Y" document of particular relevance; the c cannot be considered to involve an in- document is combined with one or mo 	ventive step when the						
other n	means ent published prior to the international filing date but	ments, such combination being obvior in the art.	us to a person skilled						
later th	pan the priority date claimed	*&* document member of the same patent	family						
Date of the a	actual completion of the international search	Date of mailing of the international sea	rch report						
	2 July 2004	03/08/2004							
Name and n	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer							
]	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fav. (431-70) 340-3016	Henderson R							

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INTERNATIONAL SEARCH REPORT

T/JP2004/005727

C.(Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	51/JP2004/005/2/
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 274 208 A (NODA TOMIMITSU)	1,2,4,10
Υ	28 December 1993 (1993-12-28) abstract	7
•	column 1, line 5 - line 46: figures 1.12	/
	column 11, line 34 - column 12, line 9	
Υ	US 5 548 101 A (LEE EUNG H)	7
٥	20 August 1996 (1996-08-20)	
A	the whole document	1-6,8-10
Α	PATENT ABSTRACTS OF JAPAN	1–10
	vol. 0151, no. 06 (E-1044), 13 March 1991 (1991-03-13)	
	& JP 2 312182 A (TOSHIBA CORP),	
	27 December 1990 (1990-12-27)	
	abstract	
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INTERNATIONAL SEARCH REPORT

Information on patent family members

T/JP2004/005727

			761/012004/005/2/	
Patent document cited in search report	Publication date		Patent family member(s)	Publication date
JP 4084026 A	17-03-1992	JP	2892454 B2	17-05-1999
EP 0301805 A	01-02-1989	JP	1194287 A	04-08-1989
		JP	1935259 C	26-05-1995
		JP	6065150 B	22-08-1994
		JP	1031391 A	01-02-1989
		AU	2005488 A	20-04-1989
		CA	1303682 C	16-06-1992
		DE	3855257 D1	05-06-1996
		DE	3855257 T2	19-12-1996
		DE	3875839 D1	17-12-1992
		DΕ	3875839 T2	18-03-1993
		EΡ	0301805 A1	01-02-1989
		EP	0489725 A2	10-06-1992
		KR	9106174 B1	16-08-1991
		US	4967051 A	30-10-1990
US 5274208 A	28-12-1993	JP	3280388 A	11-12-1991
		JP	4032188 A	04-02-1992
		JP	4032187 A	04-02-1992
		JP	2839646 B2	16-12-1998
•		JP	4032189 A	04-02-1992
		JP	4032191 A	04-02-1992
US 5548101 A	20-08-1996	KR	160406 B1	15-12-1998
		DE	4444778 A1	22-06-1995
•		JP	2617279 B2	04-06-1997
		JP	7211453 A	11-08-1995
JP 2312182 A	27-12-1990	JP	2645139 B2	25-08-1997